

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1. (Currently Amended) An intermittent communication method comprising:

a step of transmitting identification information including an intermittent communication period and frame information for carrying out a data communication together with an intermittent communication request from a communication terminal apparatus to a communication terminal accommodation apparatus;

a step of said communication terminal accommodation apparatus transmitting a confirmation signal of the intermittent communication request to said communication terminal apparatus; and

a step of said communication terminal apparatus entering an intermittent communication mode when said communication terminal apparatus receives said confirmation signal and repeating said data communication and a sleep based on the intermittent communication period ~~carrying out a data communication using only the frame for carrying out said data communication~~ in said intermittent communication mode.

2. (Currently Amended) An intermittent communication method comprising:

a step of transmitting an intermittent communication request from a communication terminal apparatus to a communication terminal accommodation apparatus;

a step of said communication terminal accommodation apparatus transmitting a confirmation signal of the intermittent communication request together with identification information including an intermittent communication period and frame information for carrying out a data communication₁ to said communication terminal apparatus; and

a step of said communication terminal apparatus entering an intermittent communication mode when said communication terminal apparatus receives said confirmation signal and repeating said data communication and a sleep based on the intermittent communication period
~~carrying out a data communication with only the frame for carrying out said data communication~~ in said intermittent communication mode.

3. (Original) The intermittent communication method according to claim 1, wherein the identification information includes information on the number of frames used for a communication.

4. (Original) The intermittent communication method according to claim 2, wherein the identification information includes information on the number of frames used for a communication.

5. (Original) The intermittent communication method according to claim 1, wherein the intermittent communication period matches the period of the same frame as that of MAC broadcast.

6. (Original) The intermittent communication method according to claim 2, wherein the intermittent communication period matches the period of the same frame as that of MAC broadcast.

7. (Currently Amended) The intermittent communication method according to claim 1, wherein the communication terminal apparatus does not receive any control channel signal in said a data communication in the intermittent communication mode.

8. (Currently Amended) The intermittent communication method according to claim 2, wherein the communication terminal apparatus does not receive any control channel signal in said a data communication in the intermittent communication mode.

9. (Original) The intermittent communication method according to claim 5, wherein the intermittent communication mode period is shorter than a maximum allowable synchronization holding time of the communication terminal apparatus.

10. (Original) The intermittent communication method according to claim 6, wherein the intermittent communication mode period is shorter than a maximum allowable synchronization holding time of the communication terminal apparatus.

11. (Original) The intermittent communication method according to claim 5, wherein when the intermittent communication mode period is longer than a maximum allowable

synchronization holding time, the communication terminal apparatus receives a control channel signal to correct an out-of-synchronization state.

12. (Original) The intermittent communication method according to claim 6, wherein when the intermittent communication mode period is longer than a maximum allowable synchronization holding time, the communication terminal apparatus receives a control channel signal to correct an out-of-synchronization state.

13. (Original) The intermittent communication method according to claim 1, wherein the communication terminal apparatus receives a control channel signal for periodically checking the control of the communication terminal accommodation apparatus in the intermittent communication mode period.

14. (Original) The intermittent communication method according to claim 2, wherein the communication terminal apparatus receives a control channel signal for periodically checking the control of the communication terminal accommodation apparatus in the intermittent communication mode period.

15. (Currently Amended) The intermittent communication method according to claim 1, wherein when the communication terminal apparatus receives a negative acknowledgment (NACK) Naek signal from the communication terminal accommodation apparatus, a retransmission frame is added.

16. (Currently Amended) The intermittent communication method according to claim 2, wherein when the communication terminal apparatus receives a negative acknowledgment (NACK) NACK signal from the communication terminal accommodation apparatus, a retransmission frame is added.

17. (Original) The intermittent communication method according to claim 1, wherein the intermittent communication period is set to once every 2^n frames (n : natural number) and an intermittent communication is performed by patterning applications with a plurality of periods.

18. (Original) The intermittent communication method according to claim 2, wherein the intermittent communication period is set to once every 2^n frames (n : natural number) and an intermittent communication is performed by patterning applications with a plurality of periods.

19. (Currently Amended) A communication terminal apparatus comprising:
an identification information insertion section that inserts identification information including an intermittent communication period and frame information for carrying out a data communication into transmission data; and
a control section that performs control, when a confirmation signal in response to an intermittent communication request is received from a communication terminal accommodation apparatus, in such a way that said data communication ~~and a sleep are repeated~~ is carried out based on the intermittent communication period and frame information for carrying out the a

data communication in the intermittent communication period ~~only using the frame for carrying out said data communication.~~

20. (Currently Amended) A communication terminal accommodation apparatus comprising:

a reception section that receives an intermittent communication request from a communication terminal apparatus;

a transmission section that transmits a confirmation signal of the intermittent communication request together with identification information including an intermittent communication period and frame information for carrying out a data communication, to said communication terminal apparatus; and

a communication control section that carries out said a data communication in the intermittent communication period, when said communication terminal apparatus enters an intermittent communication mode, ~~using only the frame for carrying out said data communication in said intermittent communication mode.~~

21. (Currently Amended) A radio communication system comprising a plurality of communication terminal apparatuses and a communication terminal accommodation apparatus that accommodates these communication terminal apparatuses, wherein;

said communication terminal apparatus comprises an intermittent communication apparatus provided with an identification information insertion section that inserts identification information including an intermittent communication period and frame information for carrying

out a data communication into transmission data, and a control section that performs control, when a confirmation signal in response to an intermittent communication request is received from ~~said the~~ communication terminal accommodation apparatus, in such a way that ~~the a~~ data communication ~~and a sleep are repeated in the intermittent communication period~~ ~~is carried out~~ ~~using only the frame for carrying out said data communication~~ based on the intermittent communication period and frame information for carrying out ~~the a~~ data communication, and

said communication terminal accommodation apparatus comprises an intermittent communication apparatus provided with a reception section that receives ~~the an~~ intermittent communication request from said communication terminal apparatus, a transmission section that transmits ~~the a~~ confirmation signal of the intermittent communication request together with identification information including an intermittent communication period and frame information for carrying out a data communication and a communication control section that carries out ~~said a~~ data communication ~~in the intermittent communication period~~, when said communication terminal apparatus enters an intermittent communication mode, ~~using only the frame for carrying out said data communication in said intermittent communication mode.~~

22-23. (Canceled).